

1.8 Army Arsenal Capability Matrix

COMMODITY	Army Arsenal	
PRODUCT		
PROCESS		
TECHNOLOGY	R	W
	O	A
	C	T
	K	E
		R
	I	V
	S	L
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	D	
General Support Equipment		
Accessories and Components		
Fabrication/Repair		
CAD/CAM - CNC & NC Programming	X	X
CAD/CAM - Drilling/Lathe/Punch	X	X
CAD/CAM - Engineering Analysis	X	X
CAD/CAM - Engineering Design/Drawings	X	X
CAD/CAM - Forming/Machining/Milling	X	X
CNC Forming/Machining/Milling	X	X
Cutting - Oxyfuel	X	X
Cutting - Plasma	X	X
Cutting - Water Jet	X	X
Electrical Discharge Machining	X	X
Extrude Honing	X	X
Heat Treating	X	X
Laser Marking Parts	X	X
Metal Finishing	X	X
Titanium Nitride Coating	X	X
Welding - Arc	X	X
Welding - Plasma	X	X
Welding - TIG, MIG	X	X

## COMMODITY

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## General Support Equipment

## Accessories and Components

## Test and Inspection

## Calibration

X	X
X	X
X	X
X	X

Magnetic Particle

Radiography - X-Ray

X-Ray - Film

## Ordnance

## Accessories and Components

## Cleaning/Stripping

Abrasive Flow

X	-
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Agricultural Media Blast

-	X
---	---

Glass Media Blast

X	X
---	---

Grit Blast

X	X
---	---

Hazardous Chemicals

X	X
---	---

Plastic Media Blast

X	-
---	---

Sand Blast

X	X
---	---

Steam

X	-
---	---

Ultrasonic

X	-
---	---

Vapor Degreaser

X	-
---	---

Vibratory Finishing

X	X
---	---

Water Jet

X	-
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## COMMODITY

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Ordnance

## Accessories and Components

## Fabrication/Repair

CAD/CAM - CNC & NC Programming	X	X
CAD/CAM - Drilling/Lathe/Punch	X	X
CAD/CAM - Engineering Analysis	X	X
CAD/CAM - Engineering Design/Drawings	X	X
CAD/CAM - Forming/Machining/Milling	X	X
CAD/CAM - Sheetmetal	X	X
CAD/CAM - Vertical Internal Grinder	X	-
CARC Painting	X	X
Chemical Forming/Machining/Milling	X	-
Class 100,000 Clean Room	X	-
CNC Forming/Machining/Milling	X	X
CNC Forming/Machining/Milling-7 Axis Center	X	-
CNC Forming/Machining/Milling - Electrical Discharge Machining (EDM)	X	-
Cutting - Oxyfuel	X	X
Cutting - Plasma	X	X
Cutting - Water Jet	X	X
Electrical Discharge Machining	X	X
Extrude Honing	-	X
EProm/Prom Programming	X	-
Flame Spray	X	X
Flexible Machining Cell	X	-
Forging - 16,000 LB Drop Hammer	X	-

## COMMODITY

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## Ordnance

## Accessories and Components

## Fabrication/Repair

Forging - Aluminum	X	-
Forging - Diesinking	X	-
Forging - High Allow Steel	X	-
Forging - Impression Die, Open Die, Hand Forge	X	-
Forging - Mechanical Upset	X	-
Foundry - Aluminum	X	-
Foundry - Armor Steel Castings	X	-
Foundry - Austempered Ductile Iron	X	-
Foundry - Ferrous	X	-
Foundry - High Allow Steel Casting	X	-
Foundry - Laminated Object Manufacturing	X	-
Foundry - Non-ferrous	X	-
Foundry - Patternmaking	X	-
Foundry - Stainless Steel	X	-
Gage Manufacture/Repair - Field and Laboratory Gages	-	X
Gage Manufacture/Repair - Functional Gages	X	-
Gage Manufacture/Repair - Small Arms Gages	X	-
Gear Cutting - Bevel Gear Manufacturing	X	-
Gear Cutting - Hobbing	X	-
Gear Cutting - Shaping	X	-
Heat Treating	X	X
Heat Treating - Annealing	X	-
Heat Treating - Carbon Restoration	X	-

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Accessories and Components

Fabrication/Repair

Heat Treating - Carburizing	X	-
Heat Treating - Gas Nitration	X	-
Heat Treating - Hardening	X	-
Heat Treating - Tempering	X	-
Investment Casting - Aluminum	X	-
Investment Casting - Armor Steel	X	-
Investment Casting - High Allow Steel	X	-
Investment Casting - Stainless Steel	X	-
Laser Marking Parts	X	X
Laser Punch	X	-
Metal Finishing	X	X
Metrological	X	-
Optics	X	-
Phosandodize	X	-
Plastic Injection	X	-
Plating - Anodizing	X	X
Plating - Cadmium	X	-
Plating - Chromate	X	-
Plating - Chromium	X	X
Plating - Copper	X	-
Plating - Black Oxide	X	-
Plating - Manganese Phosphate	X	-
Plating - Nickel	X	-

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## Ordnance

## Accessories and Components

## Fabrication/Repair

Plating - Tin/Lead	X	X
Plating - Zinc Phosphate	X	-
Robotic Auto Cleaning System	X	-
Robotic CARC Painting	X	-
Robotic Metalizing	X	-
Robotic Metal Spray	X	-
Robotic Painting	X	-
Robotic Welding	X	-
Rotary Forging	-	X
Rubber Products	X	-
Test Program Sets	X	-
Titanium Nitride Coating	-	X
Tool and Die	X	-
Welding - Arc	X	X
Welding - Certified Ballistic	X	-
Welding - Dabber TIG	X	-
Welding - Electron Beam	X	-
Welding - Flexible Welding System	X	-
Welding - Inertia	X	-
Welding - Laser	X	-
Welding - Orbital Welding	X	-
Welding - Plasma	X	-
Welding - Submerged Arc	X	-

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Ordnance		
Accessories and Components		
Fabrication/Repair		
Welding - TIG, MIG	X	X
Test and Inspection		
Calibration	X	X
Chemical Analysis - Alloy Identification	X	-
Chemical Analysis - Coating Identification	X	-
Chemical Analysis - Hazardous Waste	X	-
Chemical Analysis - Oil Analysis	X	-
Chemical Analysis - Organic Materials	X	-
Chemical Analysis - Product Check Analysis	X	-
Chemical Analysis - RCRA Metals-TCLP	X	-
Chemical Analysis - Water Identification	X	-
Coordinate Measuring	X	-
Eddy Current	X	-
Electronic ATE - Analog	X	-
Electronic ATE - Digital	X	-
Electronic ATE - DitMco	X	-
Electronic ATE - GenRad	X	-
Electron Microscope	X	X
Environmental Chamber	X	-
Fluorescent Penetrant - Automated	X	-
Fluorescent Penetrant - Manual	X	X
Fiber Optics	X	-

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Accessories and Components

Test and Inspection

Gymnasticator	X	-
Hydraulic Systems	X	-
Instrumentation Capabilities-Atomic Absorption Spectrometer	X	-
Instrumentation Capabilities-Carbon/Sulfur Analysis	X	-
Instrumentation Capabilities-Fourier Transform Infrared	X	-
Instrumentation Capabilities-Gas Analyzers	X	-
Instrumentation Capabilities-Gas Chromatography	X	-
Instrumentation Capabilities-Hose Burst Testers	X	-
Instrumentation Capabilities-Humidity Chambers	X	-
Instrumentation Capabilities-Ion Chromatography	X	-
Instrumentation Capabilities-Liquid Scintillation Counters	X	-
Instrumentation Capabilities-Metal Graphs	X	-
Instrumentation Capabilities-Optical Emission Spectrometer	X	-
Instrumentation Capabilities-Ozone Chamber	X	-
Instrumentation Capabilities-Pour Point Apparatus	X	-
Instrumentation Capabilities-Salt Spray Cabinet	X	-
Instrumentation Capabilities-Invisible Spectrometer	X	-
Instrumentation Capabilities-Viscometers	X	-
Instrumentation Capabilities-Wear Testers	X	-
Instrumentation Capabilities-Weld Bend Tester	X	-
Laser Measurement	X	-
Magnetic Particle	X	X



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Accessories and Components

Test and Inspection

Mechanical/Metallurgical - Case Depth	X	-
Mechanical/Metallurgical - Failure Analysis	X	-
Mechanical/Metallurgical - Fatigue Testing	X	-
Mechanical/Metallurgical - Harness	X	-
Mechanical/Metallurgical - Impact Toughness	X	-
Mechanical/Metallurgical - Lo/Hi Temperature Properties	X	-
Mechanical/Metallurgical - Tensile/Compression	X	-
Non-Destructive Testing - Level III Technicians	X	-
Non-Destructive Testing - Level III Procedure Approval	X	-
Non-Destructive Testing - Liquid Penetrant Test	X	-
Non-Destructive Testing - Ultrasonic Testing	X	-
Radiography - Gamma	X	-
Radiography - Neutron	X	-
Radiography - X-Ray	X	X
Radiological - Flow Proportional Counting	X	-
Radiological - Health Physics	X	-
Radiological - Liquid Scintillation Counting	X	-
Radiological - Sealed Source Leak Testing	X	-
Radiological - Swipe Testing, Alpha, Beta, Isotopes	X	-
Spectrographic Analysis	X	-
Stress	X	-
Test and Measurement Equipment Calibration	X	-
Test Tank	X	-

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## Ordnance

## Accessories and Components

## Test and Inspection

Test Track	X	-
Test Slope	X	-
Type II Laboratory	X	-
Ultrasonic - Automated	X	-
Ultrasonic - Manual	X	X
Video Inspection Probe	X	-
Vibration Testing	X	-
Weapons Testing - Horizontal Simulators	X	-
Weapons Testing - Multiple Angle Simulators	X	-
X-Ray - Film	X	X
X-Ray - Real Time	X	-

## Conventional Arms &amp; Explosives

## Cleaning/Stripping

Abrasive Flow	X	-
Glass Media Blast	X	-
Grit Blast	X	-
Hazardous Chemicals	X	-
Plastic Media Blast	X	-
Sand Blast	X	-
Steam	X	-
Ultrasonic	X	-

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### Conventional Arms & Explosives

#### Cleaning/Stripping

Vapor Degreaser	X	-
Vibratory Finishing	X	-
Water Jet	X	-

#### Fabrication/Repair

CAD/CAM - CNC & NC Programming	X	-
CAD/CAM - Drilling/Lathe/Punch	X	-
CAD/CAM - Engineering Analysis	X	-
CAD/CAM - Engineering Design/Drawings	X	-
CAD/CAM - Forming/Machining/Milling	X	-
CAD/CAM - Printed Circuit Board	X	-
CAD/CAM - Sheetmetal	X	-
CAD/CAM - Vertical Internal Grinder	X	-
Chemical Forming/Machining/Milling	X	-
Class 100,000 Clean Room	X	-
CNC Forming/Machining/Milling	X	-
CNC Forming/Machining/Milling - 7 Axis Machining Center	X	-
CNC Forming/Machining/Milling - Electrical Discharge Machining (EDM)	X	-
Cutting - Plasma	X	-
Cutting - Oxyfuel	X	-
EProm/Prom Programming	X	-
Flexible Machining Cell	X	-

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## Ordnance

## Conventional Arms &amp; Explosives

## Fabrication/Repair

Forging - 16,000 LB Drop Hammer	X	-
Forging - Aluminum	X	-
Forging - Diesinking	X	-
Forging - High Allow Steel	X	-
Forging - Impression Die, Open Die, Hand Forge	X	-
Forging - Mechanical Upset	X	-
Foundry - Aluminum	X	-
Foundry - Armor Steel Castings	X	-
Foundry - Austempered Ductile Iron	X	-
Foundry - Ferrous	X	-
Foundry - High Allow Steel Casting	X	-
Foundry - Laminated Object Manufacturing	X	-
Foundry - Non-ferrous	X	-
Foundry - Patternmaking	X	-
Foundry - Stainless Steel	X	-
Gage Manufacture/Repair - Field and Laboratory Gages	X	-
Gage Manufacture/Repair - Functional Gages	X	-
Gage Manufacture/Repair - Small Arms Gages	X	-
Gear Cutting - Bevel Gear Manufacturing	X	-
Gear Cutting - Hobbing	X	-
Gear Cutting - Shaping	X	-
Heat Treating - Annealing	X	-
Heat Treating - Carbon Restoration	X	-

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Conventional Arms & Explosives

Fabrication/Repair

Heat Treating - Carburizing	X	-
Heat Treating - Gas Nitration	X	-
Heat Treating - Hardening	X	-
Heat Treating - Tempering	X	-
Investment Casting - Aluminum	X	-
Investment Casting - Armor Steel	X	-
Investment Casting - High Allow Steel	X	-
Investment Casting - Stainless Steel	X	-
Laser Punch	X	-
Metal Finishing	X	-
Metrological	X	-
Optics	X	-
Phosandodize	X	-
Plastic Injection	X	-
Plating - Anodizing	X	X
Plating - Cadmium	X	-
Plating - Chromate	X	-
Plating - Chromium	X	X
Plating - Copper	X	-
Plating - Black Oxide	X	-
Plating - Manganese Phosphate	X	-
Plating - Nickel	X	-
Plating - Tin/Lead	X	X



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## Ordnance

## Conventional Arms &amp; Explosives

## Fabrication/Repair

Welding - Plasma

X -

Welding - TIG, MIG

X -

Welding - Submerged Arc

X -

## Test and Inspection

Calibration

X -

Chemical Analysis - Alloy Identification

X -

Chemical Analysis - Coating Identification

X -

Chemical Analysis - Hazardous Waste

X -

Chemical Analysis - Oil Analysis

X -

Chemical Analysis - Organic Materials

X -

Chemical Analysis - Product Check Analysis

X -

Chemical Analysis - RCRA Metals-TCLP

X -

Chemical Analysis - Water Identification

X -

Coordinate Measuring

X -

Eddy Current

X -

Electronic ATE - Analog

X -

Electronic ATE - Digital

X -

Electronic ATE - DitMco

X -

Electronic ATE - GenRad

X -

Electron Microscope

X -

Environmental Chamber

X -

Fluorescent Penetrant - Automated

X -

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## Ordnance

### Conventional Arms & Explosives

#### Test and Inspection

Fluorescent Penetrant - Manual	X	-
Fiber Optics	X	-
Gymnasticator	X	-
Hydraulic Systems	X	-
Instrumentation Capabilities - Atomic Absorption Spectrometer	X	-
Instrumentation Capabilities-Carbon/Sulfur Analysis	X	-
Instrumentation Capabilities-Fourier Transform Infrared	X	-
Instrumentation Capabilities-Gas Analyzers	X	-
Instrumentation Capabilities-Gas Chromatography	X	-
Instrumentation Capabilities-Hose Burst Testers	X	-
Instrumentation Capabilities-Humidity Chambers	X	-
Instrumentation Capabilities-Ion Chromatography	X	-
Instrumentation Capabilities-Liquid Scintillation Counters	X	-
Instrumentation Capabilities-Metal Graphs	X	-
Instrumentation Capabilities-Optical Emission Spectrometer	X	-
Instrumentation Capabilities-Ozone Chamber	X	-
Instrumentation Capabilities-Pour Point Apparatus	X	-
Instrumentation Capabilities-Salt Spray Cabinet	X	-
Instrumentation Capabilities-Invisible Spectrometer	X	-
Instrumentation Capabilities-Viscometers	X	-
Instrumentation Capabilities-Wear Testers	X	-
Instrumentation Capabilities-Weld Bend Tester	X	-



## Army Arsenals

ROCK ISLAND WATERS

ROCK ISLAND WATERS

ROCK ISLAND WATERS

## Ordnance

## Conventional Arms & Explosives

## Test and Inspection

Laser Measurement	X	-
Magnetic Particle	X	-
Mechanical/Metallurgical - Case Depth	X	-
Mechanical/Metallurgical - Failure Analysis	X	-
Mechanical/Metallurgical - Fatigue Testing	X	-
Mechanical/Metallurgical - Harness	X	-
Mechanical/Metallurgical - Impact Toughness	X	-
Mechanical/Metallurgical - Lo/Hi Temperature Properties	X	-
Mechanical/Metallurgical - Tensile/Compression	X	-
Non-Destructive Testing - Level III Technicians	X	-
Non-Destructive Testing - Level III Procedure Approval	X	-
Non-Destructive Testing - Liquid Penetrant Test	X	-
Non-Destructive Testing - Ultrasonic Testing	X	-
Radiography - Gamma	X	-
Radiography - Neutron	X	-
Radiological - Flow Proportional Counting	X	-
Radiological - Health Physics	X	-
Radiological - Liquid Scintillation Counting	X	-
Radiological - Sealed Source Leak Testing	X	-
Radiological - Swipe Testing, Alpha, Beta, Isotopes	X	-
Spectrographic Analysis	X	-
Stress	X	-
Test and Measurement Equipment Calibration	X	-

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## Ordnance

## Conventional Arms &amp; Explosives

## Test and Inspection

Test Tank	X	-
Test Track	X	-
Test Slope	X	-
Type II Laboratory	X	-
Ultrasonic - Automated	X	-
Ultrasonic - Manual	X	-
Video Inspection Probe	X	-
Weapons Testing - Horizontal Simulators	X	-
Weapons Testing - Multiple Angle Simulators	X	-
Vibration Testing	X	-
X-Ray - Film	X	-
X-Ray - Real Time	X	-

## Guns and Artillery

## Cleaning/Stripping

Abrasive Flow	X	-
Glass Media Blast	X	X
Grit Blast	X	X
Hazardous Chemicals	X	X
Plastic Media Blast	X	-
Sand Blast	X	X
Steam	X	-

COMMODITY	PRODUCT	PROCESS	TECHNOLOGY	R O C K  I S L A N	W A T E R V L I E T
Ordnance	D	Guns and Artillery	Cleaning/Stripping		
			Ultrasonic Vapor Degreaser Vibratory Finishing Water Jet	X X X X	- - - -
		Fabrication/Repair			
			CAD/CAM - CNC & NC Programming	X	X
			CAD/CAM - Drilling/Lathe/Punch	X	X
			CAD/CAM - Engineering Analysis	X	X
			CAD/CAM - Engineering Design/Drawings	X	X
			CAD/CAM - Forming/Machining/Milling	X	X
			CAD/CAM - Sheetmetal	X	-
			CAD/CAM - Vertical Internal Grinder	X	X
			Ceramics	-	X
			Chemical Forming/Machining/Milling	X	-
			Class 100,000 Clean Room	X	-
			CNC Forming/Machining/Milling	X	X
			CNC Forming/Machining/Milling - 7 Axis Machining Ctr	X	-
			CNC Forming/Machining/Milling - Electrical Discharge Machining (EDM)	X	-
			Cutting - Oxyfuel	X	X
			Cutting - Plasma	X	X

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Ordnance

### Guns and Artillery

#### Fabrication/Repair

Cutting - Water Jet	X	X
EProm/Prom Programming	X	-
Flame Spray	X	X
Flexible Machining Cell	X	X
Forging - 16,000 LB Drop Hammer	X	-
Forging - Aluminum	X	-
Forging - Diesinking	X	-
Forging - High Allow Steel	X	-
Forging - Impression Die, Open Die, Hand Forge	X	-
Forging - Mechanical Upset	X	-
Foundry - Aluminum	X	-
Foundry - Armor Steel Castings	X	-
Foundry - Austempered Ductile Iron	X	-
Foundry - Ferrous	X	-
Foundry - High Allow Steel Casting	X	-
Foundry - Laminated Object Manufacturing	X	-
Foundry - Non-ferrous	X	-
Foundry - Patternmaking	X	-
Foundry - Stainless Steel	X	-
Gage Manufacture/Repair - Field and Laboratory Gages	X	-
Gage Manufacture/Repair - Functional Gages	X	-
Gage Manufacture/Repair - Small Arms Gages	X	-
Gear Cutting - Bevel Gear Manufacturing	X	-

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Guns and Artillery

Fabrication/Repair

Gear Cutting - Hobbing	X	-
Gear Cutting - Shaping	X	-
Heat Treating - Annealing	X	-
Heat Treating - Carbon Restoration	X	-
Heat Treating - Carburizing	X	-
Heat Treating - Gas Nitration	X	-
Heat Treating - Hardening	X	-
Heat Treating - Tempering	X	-
Investment Casting - Aluminum	X	-
Investment Casting - Armor Steel	X	-
Investment Casting - High Allow Steel	X	-
Investment Casting - Stainless Steel	X	-
Laser Marking Parts	X	X
Laser Punch	X	-
Metal Finishing	X	-
Metrological	X	-
Optics	X	-
Phosandodize	X	-
Plastic Injection	X	-
Plating - Anodizing	X	X
Plating - Cadmium	X	-
Plating - Chromate	X	-
Plating - Chromium	X	X

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## Guns and Artillery

## Fabrication/Repair

Plating - Copper	X	-
Plating - Black Oxide	X	-
Plating - Manganese Phosphate	X	-
Plating - Nickel	X	-
Plating - Tin/Lead	X	X
Plating - Zinc Phosphate	X	-
Robotic Auto Cleaning System	X	-
Robotic CARC Painting	X	-
Robotic Metalizing	X	-
Robotic Metal Spray	X	-
Robotic Painting	X	-
Robotic Welding	X	-
Rubber Products	X	-
Spring Manufacture - Belleville	X	-
Spring Manufacture - Compression	X	-
Spring Manufacture - Extension	X	-
Spring Manufacture - Flat	X	-
Spring Manufacture - Involute	X	-
Test Program Sets	X	-
Tool and Die	X	X
Welding - Arc	X	X
Welding - Certified Ballistic	X	-

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Guns and Artillery

Fabrication/Repair

Welding - Dabber TIG	X	-
Welding - Electron Beam	X	-
Welding - Flexible Welding System	X	-
Welding - Inertia	X	-
Welding - Laser	X	-
Welding - Orbital Welding	X	-
Welding - Plasma	X	X
Welding - Submerged Arc	X	-
Welding - TIG, MIG	X	X

Test and Inspection

Air/Fuel Flow	-	X
Calibration	X	X
Chemical Analysis - Alloy Identification	X	-
Chemical Analysis - Coating Identification	X	-
Chemical Analysis - Hazardous Waste	X	-
Chemical Analysis - Oil Analysis	X	-
Chemical Analysis - Organic Materials	X	-
Chemical Analysis - Product Check Analysis	X	-
Chemical Analysis - RCRA Metals-TCLP	X	-
Chemical Analysis - Water Identification	X	-
Coordinate Measuring	X	-

COMMODITY

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Army Arsenal

R O C K I S L A N D W A T E R V L I E T

Ordnance

Guns and Artillery

Test and Inspection

Eddy Current	X	-
Electronic ATE - Analog	X	-
Electronic ATE - Digital	X	-
Electronic ATE - Ditmco	X	-
Electronic ATE - GenRad	X	-
Electron Microscope	X	X
Environmental Testing	X	-
Fluorescent Penetrant - Automated	X	-
Fluorescent Penetrant - Manual	X	X
Fiber Optics	X	-
Gymnasticator	X	-
Hydraulic Systems	X	X
Instrumentation Capabilities - Atomic Absorption Spectrometer	X	-
Instrumentation Capabilities-Carbon/Sulfur Analysis	X	-
Instrumentation Capabilities-Fourier Transform Infrared	X	-
Instrumentation Capabilities-Gas Analyzers	X	-
Instrumentation Capabilities-Gas Chromatography	X	-
Instrumentation Capabilities-Hose Burst Testers	X	-
Instrumentation Capabilities-Humidity Chambers	X	-
Instrumentation Capabilities-Ion Chromatography	X	-
Instrumentation Capabilities-Liquid Scintillation Counters	X	-
Instrumentation Capabilities-Metal Graphs	X	-



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Guns and Artillery

Test and Inspection

Instrumentation Capabilities-Optical Emission Spectrometer	X	-
Instrumentation Capabilities-Ozone Chamber	X	-
Instrumentation Capabilities-Pour Point Apparatus	X	-
Instrumentation Capabilities-Salt Spray Cabinet	X	-
Instrumentation Capabilities-Invisible Spectrometer	X	-
Instrumentation Capabilities-Viscometers	X	-
Instrumentation Capabilities-Wear Testers	X	-
Instrumentation Capabilities-Weld Bend Tester	X	-
Laser Measurement	X	-
Magnetic Particle	X	X
Mechanical/Metallurgical - Case Depth	X	-
Mechanical/Metallurgical - Failure Analysis	X	-
Mechanical/Metallurgical - Fatigue Testing	X	-
Mechanical/Metallurgical - Harness	X	-
Mechanical/Metallurgical - Impact Toughness	X	-
Mechanical/Metallurgical - Lo/Hi Temperature Properties	X	-
Mechanical/Metallurgical - Tensile/Compression	X	-
Non-Destructive Testing - Level III Technicians	X	-
Non-Destructive Testing - Level III Procedure Approval	X	-
Non-Destructive Testing - Liquid Penetrant Test	X	-
Non-Destructive Testing - Ultrasonic Testing	X	-
Radiography - Gamma	X	-
Radiography - Neutron	X	-

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Army Arsenals

R O C K I S L A N D W A T E R V L I E T

Ordnance

Guns and Artillery

Test and Inspection

Radiography - X-Ray	X	X
Radiological - Flow Proportional Counting	X	-
Radiological - Health Physics	X	-
Radiological - Liquid Scintillation Counting	X	-
Radiological - Sealed Source Leak Testing	X	-
Radiological - Swipe Testing, Alpha, Beta, Isotopes	X	-
Spectrographic Analysis	X	-
Stress	X	X
Test and Measurement Equipment Testing	X	-
Test Tank	X	-
Test Track	X	-
Test Slope	X	-
Type II Laboratory	X	-
Ultrasonic - Automated	X	-
Ultrasonic - Manual	X	X
Vibration Testing	X	-
Video Inspection Probe	X	X
Weapons Testing - Horizontal Simulators	X	-
Weapons Testing - Multiple Angle Simulators	X	-
X-Ray - Film	X	X
X-Ray - Real Time	X	-

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## Army Arsenal

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Ordnance

## Small Arms

## Cleaning/Stripping

Abrasive Flow

X -

Glass Media Blast

X -

Grit Blast

X -

Hazardous Chemicals

X -

Plastic Media Blast

X -

Sand Blast

X -

Steam

X -

Ultrasonic

X -

Vapor Degreaser

X -

Vibratory Finishing

X -

Water Jet

X -

## Fabrication/Repair

CAD/CAM - CNC &amp; NC Programming

X -

CAD/CAM - Drilling/Lathe/Punch

X -

CAD/CAM - Engineering Analysis

X -

CAD/CAM - Engineering Design/Drawings

X -

CAD/CAM - Forming/Machining/Milling

X -

CAD/CAM - Printed Circuit Board

X -

CAD/CAM - Sheetmetal

X -

CAD/CAM - Vertical Internal Grinder

X -

Chemical Forming/Machining/Milling

X -

Class 100,000 Clean Room

X -

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## Ordnance

## Small Arms

## Fabrication/Repair

CNC Forming/Machining/Milling - 7 Axis Machining Center	X	-
CNC Forming/Machining/Milling - Electrical Discharge		
Machining (EDM)	X	-
Cutting - Plasma	X	-
Cutting - Oxyfuel	X	-
EProm/Prom Programming	X	-
Flexible Machining Cell	X	-
Forging - 16,000 LB Drop Hammer	X	-
Forging - Aluminum	X	-
Forging - Diesinking	X	-
Forging - High Allow Steel	X	-
Forging - Impression Die, Open Die, Hand Forge	X	-
Forging - Mechanical Upset	X	-
Foundry - Aluminum	X	-
Foundry - Armor Steel Castings	X	-
Foundry - Austempered Ductile Iron	X	-
Foundry - Ferrous	X	-
Foundry - High Allow Steel Casting	X	-
Foundry - Laminated Object Manufacturing	X	-
Foundry - Non-ferrous	X	-
Foundry - Patternmaking	X	-
Foundry - Stainless Steel	X	-
Gage Manufacture/Repair - Field and Laboratory Gages	X	-

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Small Arms

Fabrication/Repair

Gage Manufacture/Repair - Functional Gages	X	-
Gage Manufacture/Repair - Small Arms Gages	X	-
Gear Cutting - Bevel Gear Manufacturing	X	-
Gear Cutting - Hobbing	X	-
Gear Cutting - Shaping	X	-
Heat Treating - Annealing	X	-
Heat Treating - Carbon Restoration	X	-
Heat Treating - Carburizing	X	-
Heat Treating - Gas Nitration	X	-
Heat Treating - Hardening	X	-
Heat Treating - Tempering	X	-
Investment Casting - Aluminum	X	-
Investment Casting - Armor Steel	X	-
Investment Casting - High Allow Steel	X	-
Investment Casting - Stainless Steel	X	-
Laser Punch	X	-
Metal Finishing	X	-
Metrological	X	-
Optics	X	-
Phosandodize	X	-
Plastic Injection	X	-
Plating - Anodizing	X	X
Plating - Cadmium	X	-

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Fabrication/Repair

Plating - Chromate	X	-
Plating - Chromium	X	X
Plating - Copper	X	-
Plating - Black Oxide	X	-
Plating - Manganese Phosphate	X	-
Plating - Nickel	X	-
Plating - Tin/Lead	X	X
Plating - Zinc Phosphate	X	-
Robotic Auto Cleaning System	X	-
Robotic CARC Painting	X	-
Robotic Metalizing	X	-
Robotic Metal Spray	X	-
Robotic Painting	X	-
Robotic Welding	X	-
Rubber Products	X	-
Spring Manufacture - Belleville	X	-
Spring Manufacture - Compression	X	-
Spring Manufacture - Extension	X	-
Spring Manufacture - Flat	X	-
Spring Manufacture - Involute	X	-
Test Program Sets	X	-
Tool and Die	X	-
Welding - Arc	X	-

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Ordnance		
Small Arms		
Fabrication/Repair		
Welding - Certified Ballistic	X	-
Welding - Dabber TIG	X	-
Welding - Electron Beam	X	-
Welding - Flexible Welding System	X	-
Welding - Inertia	X	-
Welding - Laser	X	-
Welding - Orbital Welding	X	-
Welding - Plasma	X	-
Welding - Submerged Arc	X	-
Welding - TIG, MIG	X	-
Test and Inspection		
Calibration	X	-
Chemical Analysis - Alloy Identification	X	-
Chemical Analysis - Coating Identification	X	-
Chemical Analysis - Hazardous Waste	X	-
Chemical Analysis - Oil Analysis	X	-
Chemical Analysis - Organic Materials	X	-
Chemical Analysis - Product Check Analysis	X	-
Chemical Analysis - RCRA Metals-TCLP	X	-
Chemical Analysis - Water Identification	X	-
Coordinate Measuring	X	-
Eddy Current	X	-

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Small Arms

Test and Inspection

Electronic ATE - Analog	X	-
Electronic ATE - Digital	X	-
Electronic ATE - DitMco	X	-
Electronic ATE - GenRad	X	-
Electron Microscope	X	-
Environmental Chamber	X	-
Fluorescent Penetrant - Automated	X	-
Fluorescent Penetrant - Manual	X	-
Fiber Optics	X	-
Gymnasticator	X	-
Hydraulic Systems	X	-
Instrumentation Capabilities - Atomic Absorption Spectrometer	X	-
Instrumentation Capabilities-Carbon/Sulfur Analysis	X	-
Instrumentation Capabilities-Fourier Transform Infrared	X	-
Instrumentation Capabilities-Gas Analyzers	X	-
Instrumentation Capabilities-Gas Chromatography	X	-
Instrumentation Capabilities-Hose Burst Testers	X	-
Instrumentation Capabilities-Humidity Chambers	X	-
Instrumentation Capabilities-Ion Chromatography	X	-
Instrumentation Capabilities-Liquid Scintillation Counters	X	-
Instrumentation Capabilities-Metal Graphs	X	-
Instrumentation Capabilities-Optical Emission Spectrometer	X	-





